

20912

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Patent and Trademark Office

SEARCH REQUEST FORM

Examiner # (Mandatory): 77541 Requester's Full Name: Ahmed M. Farah
 Art Unit 3739 Location (Bldg/Room#): CP2/4C12 Phone (circle 305 306 308) _____
 Serial Number: 09/296,040 Results Format Preferred (circle): PAPER DISK E-MAIL
 Title of Invention Modification of Airways by Application of Energy
 Inventors (please provide full names): Christopher J. Deuch; Thomas M. Keast; and
Brayen E. Lams
 Earliest Priority Date: 6/10/98
 Keywords (include any known synonyms registry numbers, explanation of initialisms):

Method of treating lung disease by
 applying energy to the airways

JUL 18 2000

Search Topic:

Please write detailed statement of the search topic, and the concept of the invention. Describe as specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples of relevant citations, authors, etc., if known. You may include a copy of the abstract and the broadcast or most relevant claim(s).

A method for decreasing responsiveness or
 decreasing resistance to airflow of airways
 involving the transfer of energy to or from
 the airway walls

STAFF USE ONLY

Searcher: <u>JRS</u>	Type of Search	Vendors (include cost where applicable)
Searcher Phone #: <u>303-4836</u>	<input type="checkbox"/> N.A. Sequence	<input type="checkbox"/> STN
Searcher Location: <u>FIC 3700</u>	<input type="checkbox"/> A.A. Sequence	<input type="checkbox"/> Questel/Orbit
Date Picked Up: _____	<input type="checkbox"/> Structure (#)	<input type="checkbox"/> Lexis/Nexis
Date Completed: <u>7/24/00</u>	<input type="checkbox"/> Bibliographic	<input type="checkbox"/> WWW/Internet
Clerical Prep Time: _____	<input type="checkbox"/> Litigation1	<input type="checkbox"/> In-house sequence systems (list)
Terminal Time: _____	<input type="checkbox"/> Fulltext	<input checked="" type="checkbox"/> Dialog
Number of Databases: _____	<input type="checkbox"/> Procurement	<input type="checkbox"/> Dr. Link
	<input type="checkbox"/> Other	<input type="checkbox"/> Westlaw
		<input type="checkbox"/> Other (specify)

SYSTEM:OS - DIALOG OneSearch

File 344:Chinese Patents ABS (c) 2000 European Patent Office

File 347:JAPIO (c) 2000 JPO & JAPIO

*File 347: Update 2/2000 is delayed. See important announcement from JAPIO in HELP NEWS 347.

File 351:DERWENT WPI (c) 2000 Derwent Info Ltd

*File 351: Updates and Alerts have been temporarily delayed due to a system problem. Please see HELP NEWS 351 for details.

File 371:French Patents (c) 2000 INPI. All rts. reserv.

(To see coverage dates, enter SHOW FILES.)

Set Items Description

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 E10 22 AU=LOOMER W R
 E11 2 AU=LOOMES G R
 E12 2 AU=LOOMES H A

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8 AU=LOOMAS B
 4 AU=LOOMAS B E

S1 12 E2,E3

?s s1 and (airways or lung?)

12 S1
 679 AIRWAYS
 11405 LUNG?

S2 1 S1 AND (AIRWAYS OR LUNG?)

?t s2/7

2/7/1 (Item 1 from file: 351)
 DIALOG(R) File 351:DERWENT WPI
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012613122 **Image available**

WPI Acc No: 1999-419226/199935

Bronchial stenter for heat treating collapsed bronchial tubes in patients ,
 with chronic obstructive pulmonary diseases (COPD)

Patent Assignee: BRONCUS TECHNOLOGIES INC (BRON-N)

Inventor: BURGER K M; LAUFER M D; LOOMAS B E ; TANAKA D A

Number of Countries: 084 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9934741	A1	19990715	WO 99US232	A	19990107	199935 B
US 5972026	A	19991026	US 97833550	A	19970407	199952
			US 983750	A	19980107	
AU 9920275	A	19990726	AU 9920275	A	19990107	199952

Priority Applications (No Type Date): US 983750 A 19980107; US 97833550 A
 19970407

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9934741 A1 E 37 A61B-017/36

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
 CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
 LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL
 TJ TM TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
 IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

US 5972026 A A61B-017/39 CIP of application US 97833550

AU 9920275 A A61B-017/36 Based on patent WO 9934741

Abstract (Basic): WO 9934741 A1

NOVELTY - A balloon is positioned at the end of a long rod passing
 through a catheter (250). Fluid is then injected through conduit and
 aperture to inflate the balloon and bring at least one electrode
 (210,220) into contact with the tube walls. The electrodes are
 connected by cables to a radio frequency generator, which supplies

sufficient energy to cause collagen in the walls to undergo a structural transformation, so creating more rigid walls.

DETAILED DESCRIPTION - The fluid may be air or saline.

INDEPENDENT CLAIMS are also included for a stenters using methods other than inflation of a balloon to expand the electrodes, methods of treatment using the described stenter, and a modified lung that has been treated using the stenters.

USE - Treatment of collapsed bronchial tubes in patients with chronic obstructive pulmonary diseases (COPD), e.g. cystic fibrosis, chronic bronchitis, emphysema and asthma. To modify lung structure (claimed).

ADVANTAGE - Uniformly delivers energy to bronchial tubes that reinforces the structural integrity of the wall, effectively creating an internal bronchial stent which prevents the air passages from collapsing.

DESCRIPTION OF DRAWING(S) - The figure shows a heat treatment device with diametrically adjustable electrodes.

electrodes (210,220)

catheter (250)

pp; 37 DwgNo 2/8

Derwent Class: P31; S05

International Patent Class (Main): A61B-017/36; A61B-017/39

?s lung?

S4 11405 LUNG?

?s decreas?(3n)airway?

346532 DECREAS?

2066 AIRWAY?

S5 10 DECREAS?(3N)AIRWAY?

?s s4 and s5

11405 S4

10 S5

S6 4 S4 AND S5

?t s6/7/1-4

6/7/1 (Item 1 from file: 351)

DIALOG(R)File 351:DERWENT WPI

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012674801

WPI Acc No: 1999-480908/199941

Treatment of asthma or syndrome associated with it by administration of bis-indolylmaleimide or a macrocyclic bis-indolylmaleimide

Patent Assignee: LILLY & CO ELI (ELIL)

Inventor: WAYS D K

Number of Countries: 086 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 940143	A2	19990908	EP 99200662	A	19990305	199941 B
WO 9944606	A1	19990910	WO 99US5003	A	19990305	199944
ZA 9901786	A	19991124	ZA 991786	A	19990305	200001
AU 9930718	A	19990920	AU 9930718	A	19990305	200007

Priority Applications (No Type Date): US 9876850 A 19980305

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 940143 A2 E 13 A61K-031/40

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI
ZA 9901786 A 24 A61K-000/00
AU 9930718 A A61K-031/40 Based on patent WO 9944606
WO 9944606 A1 E A61K-031/40
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT UA UG US UZ VN YU ZW
Designated States (Regional): EA GH GM KE LS MW OA SD SL SZ UG ZW

Abstract (Basic): EP 940143 A2

NOVELTY - Treatment of asthma or a syndrome associated with it or inhibition of pulmonary vascular permeability, airway hyperactivity or bronchial smooth muscle contractility comprises administration of an inhibitor of the beta-isoenzyme of protein kinase C.

ACTIVITY - Antiasthamtic; antitussive. No activity data is given.

MECHANISM OF ACTION - Inhibitor of the beta-isoenzyme of protein kinase C.

USE - Treatment of asthma or a syndrome associated with it (especially paroxysms of dyspnea, cough, wheezing, shortness of breath, hypoxemia, increased airway resistance, decreased forced expiratory volumes and flow rates, lung or thorax hyperinflation, increased breathing work, changes in elastic recoil, abnormal distribution of ventilation and pulmonary blood flow, mismatched ratios, altered arterial blood gases and right ventricular hypertrophy) or inhibition of pulmonary vascular permeability, airway hyperactivity or bronchial smooth muscle contractility (, all claimed).

pp; 13 DwgNo 0/0

Derwent Class: B02

International Patent Class (Main): A61K-000/00; A61K-031/40

6/7/2 (Item 2 from file: 351)
DIALOG(R) File 351:DERWENT WPI
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012672876

WPI Acc No: 1999-478983/199940

Use of heat-shock protein to treat inflammation associated with eosinophilia, airway hyper-responsiveness or a Th2-type immune response, especially allergic asthma

Patent Assignee: NAT JEWISH MEDICAL & RES CENT (NAJE-N); NAT JEWISH MEDICAL RES CENT (NAJE-N)

Inventor: GELFAND E W; HACZKU A F; LUKACS K V

Number of Countries: 082 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9937319	A1	19990729	WO 99US1421	A	19990122	199940 B
ZA 9900499	A	19990929	ZA 99499	A	19990122	199947
AU 9923374	A	19990809	AU 9923374	A	19990122	200001

Priority Applications (No Type Date): US 9812330 A 19980123

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9937319 A1 E 68 A61K-038/17

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU

CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9923374 A A61K-038/17 Based on patent WO 9937319
ZA 9900499 A 67 A61K-000/00

Abstract (Basic): WO 9937319 A1

NOVELTY - Use of a heat-shock protein (HSP) to protect mammals against a disease characterized by eosinophilia, airway hyper-responsiveness or a Th2-type immune response, associated with an inflammatory response.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a composition for treating the above diseases containing HSP and an anti-inflammatory agent (I);

(b) use of nucleic acid (II) that encodes HSP to prevent the specified diseases; and

(c) a method for prescribing treatment of airway hyper-responsiveness or airflow limitation associated with an inflammatory response comprising (i) administering HSP, (ii) measuring change in lung function in response to a provoking agent and (iii) if the measurements show a positive effect, administering HSP for therapy.

ACTIVITY - Anti-inflammatory; anti-asthmatic; anti-allergic; immunostimulant.

MECHANISM OF ACTION - HSP has an immunostimulant effect (upregulates T cell proliferation) that changes an adverse immune response to a beneficial (or at least innocuous) one, particularly a Th1-type to Th2-type response.

USE - The method is used to prevent diseases associated with increased production of one or more proinflammatory interleukins, e.g. allergic airway disease, hyper-eosinophilic syndrome, helminth infection, allergic rhinitis or conjunctivitis; (contact) dermatitis, eczema or food allergies, but particularly respiratory disorders characterized by eosinophilic airway inflammation and hyper-responsiveness, e.g. allergic, intrinsic or occupational asthma, bronchopulmonary aspergillosis, eosinophilic pneumonia, allergic bronchitis bronchiectasis, reactive airway disease syndrome, parasitic lung disease etc., most especially allergic asthma.

pp; 68 DwgNo 0/7

Derwent Class: B04

International Patent Class (Main): A61K-000/00; A61K-038/17

International Patent Class (Additional): A61K-031/70; A61K-038/16;

A61K-031-00; A61K-038/17; A61K-039-395; A61K-038-00

6/7/3 (Item 3 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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012481564

WPI Acc No: 1999-287672/199924

Pharmaceutical compositions for administration by intra-tracheobronchial deposition

Patent Assignee: AMGEN INC (AMGE-N)

Inventor: CHANG B S; NIVEN R W; WRIGHT C D

Number of Countries: 081 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9917800	A1	19990415	WO 98US17173	A	19980819	199924 B
AU 9889149	A	19990427	AU 9889149	A	19980819	199936

Priority Applications (No Type Date): US 97943759 A 19971003

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9917800	A1	E	77	A61K-038/55	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9889149	A			A61K-038/55	Based on patent WO 9917800
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Abstract (Basic): WO 9917800 A1

NOVELTY - Pharmaceutical compositions comprising secretory leukocyte protease inhibitor (SLPI) protein and a carrier are dry powder compositions containing less than 10 weight % water, and comprise 50-95% by mass of particles or agglomerates of particles with diameter of 1-8 microns and a mass median diameter of 3-6 microns.

ACTIVITY - Pulmonary; anti-antigenic; bronchodilator. In sheep, SLPI (3 mg) pre-administered daily for 3 days and 0.5 hour before antigen challenge (n=4) provided 48% and 100% inhibition of peak early- and late-phase bronchoconstriction, respectively (p less than 0.05 versus antigen-stimulated bronchoconstriction). In addition, 84% inhibition in the development of hyperresponsiveness was seen 24 hours after antigen challenge (p less than 0.05 versus antigen-stimulated hyperresponsiveness). In a comparison, a single dose of SLPI administered 0.5 hour before antigen challenge inhibited early- and late-phase responses with ED50s of 76 and 48 mg, respectively, with a no-effect dose of 10 mg. The prophylactic regimen provided inhibitory activity equivalent to that achieved with a single 100 mg aerosol dose of SLPI administered 0.5 hour before challenge.

MECHANISM OF ACTION - Secretory leukocyte protease inhibitor. Human lung tryptase activity was assessed using vasoactive intestinal peptide (VIP) as a substrate in Tris-HCl (100 mM; pH 8) with heparin (1 microg/ml) and Triton X-100 (RTM). Tryptase was incubated with various concentrations of SLPI for one hour at 37degreesC. VIP cleavage was assessed by reverse-phase high performance liquid chromatography and the Ki value was determined from measurements of fractional activity of tryptase at various SLPI concentrations. Other serine proteases were assayed using specific chromogenic peptide-p-nitroanilide (pNA) substrates in a 96-well microtiter plate format. Each was incubated with various concentration of SLPI for 165 minutes at 37degreesC in specific assay buffer. The residue protease activity was measured following addition of respective substrate. SLPI showed the following Ki (nM) against different enzymes: chymotrypsin, Ki=0.26; elastase, Ki=0.34; tryptase, Ki=0.58; cathepsin G, Ki=11.0; and trypsin, Ki=23.6. No inhibition was seen at 83 microM when tested with kallikrein (tissue) or thrombin or at 100 microM when tested with factor Xa, kallikrein (plasma) or plasmin. The results show that SLPI exhibited potent, broad-spectrum inhibition of serine proteases implicated in asthma pathology. In contrast, factor Xa, kallikreins, thrombin and

plasma were unaffected by SLPI at concentrations lower than 83 microM.

USE - Used to inhibit protease enzymes, to inhibit pulmonary mucous production and/or secretion, to increase mucous velocity in the airways, to decrease airway hyperresponsiveness to antigen/stimulus and to inhibit pathological changes to airway cells/tissues (claimed). Used to treat inflammatory airways diseases such as asthma, chronic bronchitis, chronic obstructive pulmonary disease, emphysema and other forms of bronchoconstriction, acute respiratory failure and reversible pulmonary vasoconstriction including acute respiratory vasoconstriction (e.g. resulting from pneumonia, traumatic injury, aspiration or inhalation injury, fat embolism in the lung, acidosis, inflammation of the lung, adult-respiratory distress syndrome, acute pulmonary edema, acute mountain sickness, post-cardiac surgery acute pulmonary hypertension, persistent pulmonary hypertension of the newborn, perinatal aspiration syndrome, hyaline membrane disease, acute pulmonary thromboembolism, heparin-protamine reactions, sepsis, status asthmaticus or hypoxia (including that occurring during one-lung anesthesia)) and chronic pulmonary vasoconstriction with a reversible component (as may result from chronic pulmonary hypertension, bronchopulmonary dysplasia, chronic pulmonary thromboembolism, idiopathic or primary pulmonary hypertension or chronic hypoxia. Also used to treat other airway disorders such as infectious disease indications (infectivity of respiratory viruses), oncology and pulmonary hypertension.

ADVANTAGE - The compositions enable rapid delivery of specified medicament dosage to a patient without the need for injection. The compositions are suitable for self-administration by the patient. They accurately, precisely and reliably deliver the intended dose of SLPI protein to the most advantageous site for therapeutic effect. They provide efficient delivery of SLPI protein with minimal loss per unit dosage form. Increase the amount of SLPI that can be delivered (higher drug load per particle) and increase delivery to the desired target (large airways e.g. bronchi, bronchioles), by means of uniform particle size. They provide increased efficacy and duration of action while reducing the required dose to be delivered as well as the dosage schedule. They have enhanced storage stability.

pp; 77 DwgNo 0/7

Derwent Class: B04; B07

International Patent Class (Main): A61K-038/55

International Patent Class (Additional): A61K-009/72

6/7/4 (Item 4 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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012360466

WPI Acc No: 1999-166573/199914

Treating allergic asthma with very late antigen-4 binding agent - to inhibit late phase response and decrease airway hypersensitivity

Patent Assignee: BIOGEN INC (BIOI)

Inventor: BURKLY L C; LOBB R R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5871734	A	19990216	US 92821768	A	19920113	199914 B
			WO 93US30	A	19930112	

US 94256631	A	19940712
US 95374331	A	19950118
US 95456193	A	19950531
US 97822830	A	19970321

Priority Applications (No Type Date): US 95456193 A 19950531; US 92821768 A 19920113; WO 93US30 A 19930112; US 94256631 A 19940712; US 95374331 A 19950118; US 97822830 A 19970321

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5871734	A		31	A61K-039/395	CIP of application US 92821768
					CIP of application WO 93US30
					CIP of application US 94256631
					CIP of application US 95374331
					Cont of application US 95456193

Abstract (Basic): US 5871734 A

NOVELTY - Allergic asthma is treated by administering at least one agent (A) that binds to the alpha 4 beta 1 integrin very late antigen-4 (VLA-4) so as to (a) inhibit the late-phase response to the relevant allergen and (b) decrease airway hypersensitivity following allergen challenge. DETAILED DESCRIPTION - (A) is (a) an antibody (Ab), or fragment, that binds to the B1 or B2 epitope on the alpha 4 subunit of VLA-4 and/or (b) a soluble vascular cell adhesion molecule-1 (VCAM-1) polypeptide (I) that binds to the VCAM-1 binding domain of VLA-4.

USE - The method is used to treat chronic allergen-induced asthma. Inhibition of VLA4-leukocyte migration prevents secondary effects of leukocyte infiltration (release of toxins, inducers of soluble inflammatory cell mediators or chemotactic agents) and inhibition of signal transduction causing release of such mediators and chemotactic agents. DESCRIPTION OF DRAWING(S) - The figure shows change in specific lung resistance (SRL) as a function of time for allergic sheep challenged with allergen and pretreated (a) with water only (white circles) or (b) the anti-VLA-4 antibody HP1/2 (black circles).

Dwg.0/12

Derwent Class: B04; D16

International Patent Class (Main): A61K-039/395

International Patent Class (Additional): A61K-035/12; A61K-038/17

File 348:European Patents 1978-2000/Jun W04

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*File 348: ** NEW FEATURE ** English language translations of French and German abstracts now searchable. See HELP NEWS 348 for info.

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E12	1	AU=LOOMIS ANDREW H

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 4 AU=LOOMAS BRYAN E
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 ?t s1/8,au,ti/all

1/8,AU,TI/1
 DIALOG(R)File 348:(c) 2000 European Patent Office. All rts. reserv.

01071192

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
 BRONCHIAL STENTER HAVING DIAMETRICALLY ADJUSTABLE ELECTRODES
 EXTENSEUR BRONCHIQUE A ELECTRODES DE DIAMETRE REGLABLE
 INVENTOR:

LAUFER, Michael, D., 1259 El Camino Real 221, Menlo Park, CA 94025, (US)
 TANAKA, Don, A., 432 North 15th Street, San Jose, CA 95112, (US)

*This is
 near my old
 address*

LOOMAS, Bryan, E. , 13125 Kevin Street, Saratoga, CA 95070, (US)
BURGER, Keith, M., Apartment No. 2, 1856 Franklin Street, San Francisco,
CA 94109, (US)
INTERNATIONAL PATENT CLASS: A61B-017/36
LANGUAGE (Publication,Procedural,Application): English; English; English

1/8,AU,TI/2
DIALOG(R)File 348:(c) 2000 European Patent Office. All rts. reserv.

01066086
ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
BRONCHIAL STENTER
EXTENSEUR BRONCHIQUE
INVENTOR:
LAUFER, Michael, D., 1259 El Camino Real 221, Menlo Park, CA 94025, (US)
TANAKA, Donald, A., 432 North 15th Street, San Jose, CA 95112, (US)
LOOMAS, Bryan, E. , 13125 Kevin Street, Saratoga, CA 95070, (US)
BURGER, Keith M., Apartment 2, 1856 Franklin Street, San Francisco, CA
94109, (US)
INTERNATIONAL PATENT CLASS: A61B-017/36
LANGUAGE (Publication,Procedural,Application): English; English; English

1/8,AU,TI/3
DIALOG(R)File 348:(c) 2000 European Patent Office. All rts. reserv.

00913335
ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
REUSABLE CANNULA WITH DISPOSABLE SEAL
WIEDERVERWENDBARE KANULE MIT WEGWERFBAREM VERSCHLUSS
CANULE REUTILISABLE AVEC ENSEMBLE D'ETANCHEITE JETABLE
INVENTOR:
DAVIS, John, W., 1970 Silverwood Avenue, Mountain View, CA 94043, (US)
KOVAC, Tim, J., 33 Ashler Avenue, Los Gatos, CA 95030, (US)
KRAMER, Thomas, 1149 Orange Avenue, San Carlos, CA 94070, (US)
LOOMAS, Bryan , 1755 Oswald Place, Santa Clara, CA 95051, (US)
TO, John, 999 - 5 Belmont Avenue, Sunnyvale, CA 94086, (US)
INTERNATIONAL PATENT CLASS: A61B-017/34; A61M-039/06;
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English

1/8,AU,TI/4
DIALOG(R)File 348:(c) 2000 European Patent Office. All rts. reserv.

00670806
ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
RETRACTING TIP TROCAR WITH PLUNGER SENSOR
TROKAR MIT ZURUCKZIEHBARER SPITZE UND FUHLER
TROCAR A EMBOUT RETRACTEUR POURVU DE PISTONS DETECTEURS
INVENTOR:
BOLDUC, Lee, R., 1173 Foster City Boulevard 2, Foster City, CA 94404,
(US)
LOOMAS, Bryan, E. , 3260 Tracy Drive, Santa Clara, CA 95051, (US)
MILLER, Scott, H., 605 San Conrado Terrace 3, Sunnyvale, CA 94086, (US)

INTERNATIONAL PATENT CLASS: A61B-017/34;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9815	485
CLAIMS B	(German)	9815	463
CLAIMS B	(French)	9815	550
SPEC B	(English)	9815	3280
Total word count - document A			0
Total word count - document B			4778
Total word count - documents A + B			4778

1/8,AU,TI/5

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00648896

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SEAL ACCOMODATING DIAMETRICAL RANGE OF SURGICAL INSTRUMENTS

DICHTUNG FUR ALLE DURCHMESSERBEREICHE CHIRURGISCHER INSTRUMENTE

JOINT D'ETANCHEITE S'ADAPTANT A TOUTES LES GAMMES DE DIAMETRES
D'INSTRUMENTS CHIRURGICAUX

INVENTOR:

LOOMAS, Bryan, E. , 3260 Tracy Drive, Santa Clara, CA 95051, (US)

LUNSFORD, John, P., 3378 Brittan Avenue, No. 15, San Carlos, CA 94070,
(US)

HLAVKA, Edwin, J., 332 Forest, No. 1, Palo Alto, CA 94301, (US)

INTERNATIONAL PATENT CLASS: A61M-005/00; A61M-039/06; A61B-017/34;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

1/8,AU,TI/6

DIALOG(R)File 348:(c) 2000 European Patent Office. All rts. reserv.

00642747

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METHOD FOR CORNEAL CURVATURE VARIATION.

VERFAHREN ZUR VARIATION DER KORNEAKRUMMUNG.

PROCEDE PERMETTANT DE VARIER LA COURBURE CORNEENNE.

INVENTOR:

DAVENPORT, James, 1461 Sunset Court, Fallbrook, CA 92028, (US)

LOOMAS, Bryan , 3260 Tracy Drive, Santa Clara, CA 95051, (US)

MATHIS, Mark, 1055 Reed Street, Santa Clara, CA 95050, (US)

SILVESTRINI, Thomas, 1701 Las Trampas Road, Alamo, CA 95407, (US)

INTERNATIONAL PATENT CLASS: A61B-019/00; A61F-009/00;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

1/8,AU,TI/7

DIALOG(R)File 348:(c) 2000 European Patent Office. All rts. reserv.

00620231

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
ADJUSTABLE DEVICES FOR CORNEAL CURVATURE ADJUSTMENT
EINSTELLBARE VORRICHTUNGEN FUR DIE EINSTELLUNG DER HORNHAUTKRUMMUNG
DISPOSITIFS REGLABLES DESTINES AU REGLAGE DE LA COURBURE DE LA CORNEE
INVENTOR:

SILVESTRINI, Thomas, 1701 Las Trampas Road, Alamo, CA 94507, (US)

MATHIS, Mark, 42770 Castillejo Court, Fremont, CA 94539, (US)

LOOMAS, Bryan , 1055 Reed Street, Santa Clara, CA 95050, (US)

INTERNATIONAL PATENT CLASS: A61M-031/00; A61F-002/14

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9932	829
CLAIMS B	(German)	9932	900
CLAIMS B	(French)	9932	869
SPEC B	(English)	9932	6215
Total word count - document A			0
Total word count - document B			8813
Total word count - documents A + B			8813

1/8,AU,TI/8

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00611536

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
CORNEAL VACUUM CENTERING GUIDE AND DISSECTOR.

ZENTRIERENDE, MIT VAKUUM ARBEITENDE FUHRUNGSVORRICHTUNG UND DISSEKTOR FUR
DIE HORNHAUT.

GUIDE DE CENTRAGE A ASPIRATION ET DISSECTEUR DE LA CORNEE.

INVENTOR:

LOOMAS, Bryan , 1755 Oswald Place, Fremont, California 94538-7353, (US)

DAVENPORT, James, 42770 Castillejo Court, Fremont, California 94539, (US)

MATHIS, Mark, 38455 Bronson Street, 320, Fremont, CA 94536, (US)

INTERNATIONAL PATENT CLASS: A61B-017/32; A61F-009/00; A61F-002/14;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

?b medicine,meddev

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Set	Items	Description
---	-----	-----
?s lung?		
Processed	20 of 41 files	...
Processing		
Completed processing all files		
S1	1988689	LUNG?
?s airway? or airflow?		
	359711	AIRWAY?
	44987	AIRFLOW?
S2	390085	AIRWAY? OR AIRFLOW?
?s decreas?		
Processed	10 of 41 files	...
Processing		
Completed processing all files		
S3	5059620	DECREAS?
?s resistance		
S4	2641651	RESISTANCE
?s transfer?(3n)energy		
Processed	10 of 41 files	...
Processing		
Processed	30 of 41 files	...
Processing		
Completed processing all files		
	3177195	TRANSFER?
	4887631	ENERGY
S5	201118	TRANSFER?(3N)ENERGY
?s s3(3n)s4		
Processed	20 of 41 files	...
Processing		
Completed processing all files		
	5059620	S3
	2641651	S4
S6	57840	S3(3N)S4
?s s1 and s2		
	1988689	S1
	390085	S2
S7	134497	S1 AND S2
?s s7(s)s6		
	134497	S7
	57840	S6
S8	1576	S7(S)S6
?s s8(s)s5		
	1576	S8
	201118	S5
S9	0	S8(S)S5
?s s1 and s2 and s3 and s4 and s5		
	1988689	S1
	390085	S2
	5059620	S3
	2641651	S4
	201118	S5

S10 3 S1 AND S2 AND S3 AND S4 AND S5

S11 3 RD (unique items)
?t s11/8/all

11/8/1 (Item 1 from file: 149)
DIALOG(R)File 149:(c) 2000 The Gale Group. All rts. reserv.

01755498 SUPPLIER NUMBER: 20426590 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Pulmonary contusions: management and implications for trauma nurses.
1997
WORD COUNT: 4030 LINE COUNT: 00355

SPECIAL FEATURES: table; illustration
DESCRIPTORS: Lungs --Wounds and injuries; Chest--Wounds and injuries

11/8/2 (Item 2 from file: 149)
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01714479 SUPPLIER NUMBER: 19335765 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Care of the patient requiring mechanical ventilation.
1997
WORD COUNT: 5816 LINE COUNT: 00614

SPECIAL FEATURES: table; illustration
DESCRIPTORS: Ventilators--Therapeutic use; Artificial respiration--
Complications

11/8/3 (Item 1 from file: 442)
DIALOG(R)File 442:(c)2000 Amer Med Assn -FARS/DARS apply. All rts. reserv.

00035109
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Wound Ballistics of Gunshot Injuries to the Head and Neck (ORIGINAL
ARTICLES)

LINE COUNT: 00339 WORD COUNT: 04683
?t s11/8,au,ab/1-3

11/8,AU,AB/1 (Item 1 from file: 149)
DIALOG(R)File 149:(c) 2000 The Gale Group. All rts. reserv.

01755498 SUPPLIER NUMBER: 20426590 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Pulmonary contusions: management and implications for trauma nurses.
Ruth-Sahd, Lisa A.
1997
WORD COUNT: 4030 LINE COUNT: 00355

ABSTRACT: A pulmonary contusion is a common, potentially lethal chest injury. It is often overlooked and clinicians often do not understand the mechanisms that cause it. Bronchoscopy can be used for initial assessment if there is severe hemoptysis or a large air leak. First cardiopulmonary cerebral resuscitation would have been started. Computed tomography (CT) is a noninvasive diagnostic method. Adequacy of oxygen delivery should be

monitored.

SPECIAL FEATURES: table; illustration

DESCRIPTORS: Lungs --Wounds and injuries; Chest--Wounds and injuries

11/8,AU,AB/2 (Item 2 from file: 149)

DIALOG(R) File 149:(c) 2000 The Gale Group. All rts. reserv.

01714479 SUPPLIER NUMBER: 19335765 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Care of the patient requiring mechanical ventilation.

Turner, Phyllis; Glass, Connie; Grap, Mary Jo

1997

WORD COUNT: 5816 LINE COUNT: 00614

SPECIAL FEATURES: table; illustration

DESCRIPTORS: Ventilators--Therapeutic use; Artificial respiration--
Complications

11/8,AU,AB/3 (Item 1 from file: 442)

DIALOG(R) File 442:(c)2000 Amer Med Assn -FARS/DARS apply. All rts. reserv.

00035109

Copyright (C) 1983 American Medical Association

Wound Ballistics of Gunshot Injuries to the Head and Neck (ORIGINAL
ARTICLES)

HOLT, G. RICHARD

LINE COUNT: 00339

WORD COUNT: 04683

ABSTRACT: It is important for the trauma surgeon to understand the basic principles of terminal gunshot ballistics and the study of the projectile's effect on striking soft tissue. The amount of kinetic energy dissipated to the tissue is directly related to the mass and velocity of the projectile as follows: $K = MV^2/2$. Doubling the velocity quadruples the energy, while doubling the mass only doubles the energy. A temporary tissue cavity is produced as the striking projectile compresses the surrounding tissue; the higher the energy release, the more extensive the inapparent compressive damage. The permanent cavity that remains is the result of extrusion of tissue from the pathway of the projectile. The higher the velocity, the higher the likelihood of extensive damage. If the missile expands or fragments within the tissues, more damage will occur. (Arch Otolaryngol 1983;109:313-318)

?s airway?(1n)wall?

Processed 40 of 41 files ...

Completed processing all files

359711 AIRWAY?

1307684 WALL?

S12 3718 AIRWAY?(1N)WALL?

?ds

Set	Items	Description
S1	1988689	LUNG?
S2	390085	AIRWAY? OR AIRFLOW?
S3	5059620	DECREAS?

S4	2641651	RESISTANCE
S5	201118	TRANSFER? (3N) ENERGY
S6	57840	S3 (3N) S4
S7	134497	S1 AND S2
S8	1576	S7 (S) S6
S9	0	S8 (S) S5
S10	3	S1 AND S2 AND S3 AND S4 AND S5
S11	3	RD (unique items)
S12	3718	AIRWAY? (1N) WALL?
?s s5(4n) s12		
	201118	S5
	3718	S12
S13	0	S5 (4N) S12

1/3,AB/1

DIALOG(R)File 348:EUROPEAN PATENTS

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01071192

***BRONCHIAL* *STENTER* *HAVING* *DIAMETRICALLY* ADJUSTABLE ELECTRODES
EXTENSEUR BRONCHIQUE A ELECTRODES DE DIAMETRE REGLABLE**

PATENT ASSIGNEE:

Broncus Technologies, Inc., (2642920), Building A, Suite 8, 1400 N.
Shoreline Boulevard, Mountain View, CA 94043, (US), (Applicant
designated States: all)

INVENTOR:

LAUFER, Michael, D., 1259 El Camino Real 221, Menlo Park, CA 94025, (US)
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LOOMAS, Bryan, E., 13125 Kevin Street, Saratoga, CA 95070, (US)
BURGER, Keith, M., Apartment No. 2, 1856 Franklin Street, San Francisco,
CA 94109, (US)

PATENT (CC, No, Kind, Date):

WO 9934741 990715

APPLICATION (CC, No, Date): WO 99900766 990107; WO 99US232 990107

PRIORITY (CC, No, Date): US 3750 980107

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: A61B-017/36

LANGUAGE (Publication,Procedural,Application): English; English; English
?

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